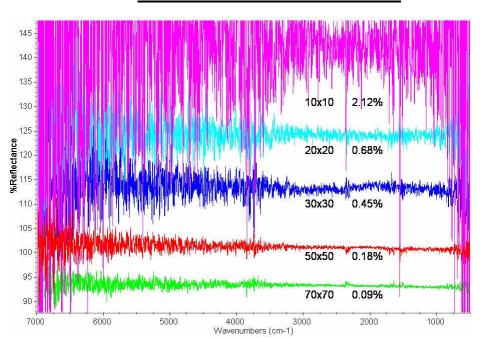


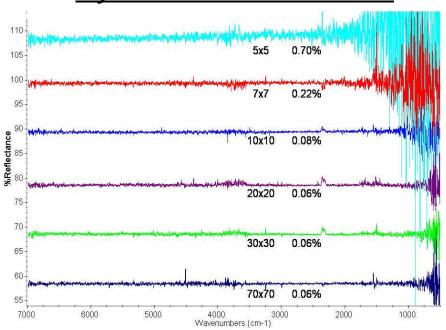
Why Synchrotron IR Source? High Brightness.

Thermal IR source



100% reflectance lines showing the noise level of the EverGlo[™] thermal IR source when using smaller and smaller apertures. Noted for each curve are the aperture dimensions and the RMS noise determined between 2450 and 2550 cm⁻¹.

Synchrotron IR source



100% reflectance lines for the <u>ALS synchrotron IR source</u> when using smaller and smaller apertures. Noted are the aperture dimensions and the RMS noise determined between 2450 and 2550 cm⁻¹. The diffraction-limited synchrotron spot size is not clipped until the aperture is below 10 microns, and only for the longer wavelengths.



High Brightness of Synchrotron Source

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